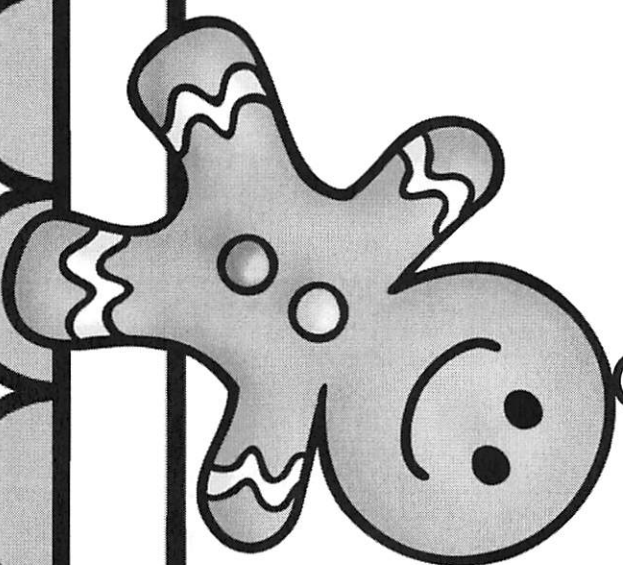


Gingerbread Man Trap

Engineering Challenge

Can you create a trap that
can catch and hold one
gingerbread man cookie?

Created by: Smart Chick Teaching Resources



Teacher Directions

Materials: (per student)

- Variety of found materials (outdoor or craft)
- Scissors, tape and glue
- Cardboard and paper scraps
- Popsicle sticks, straws, etc.

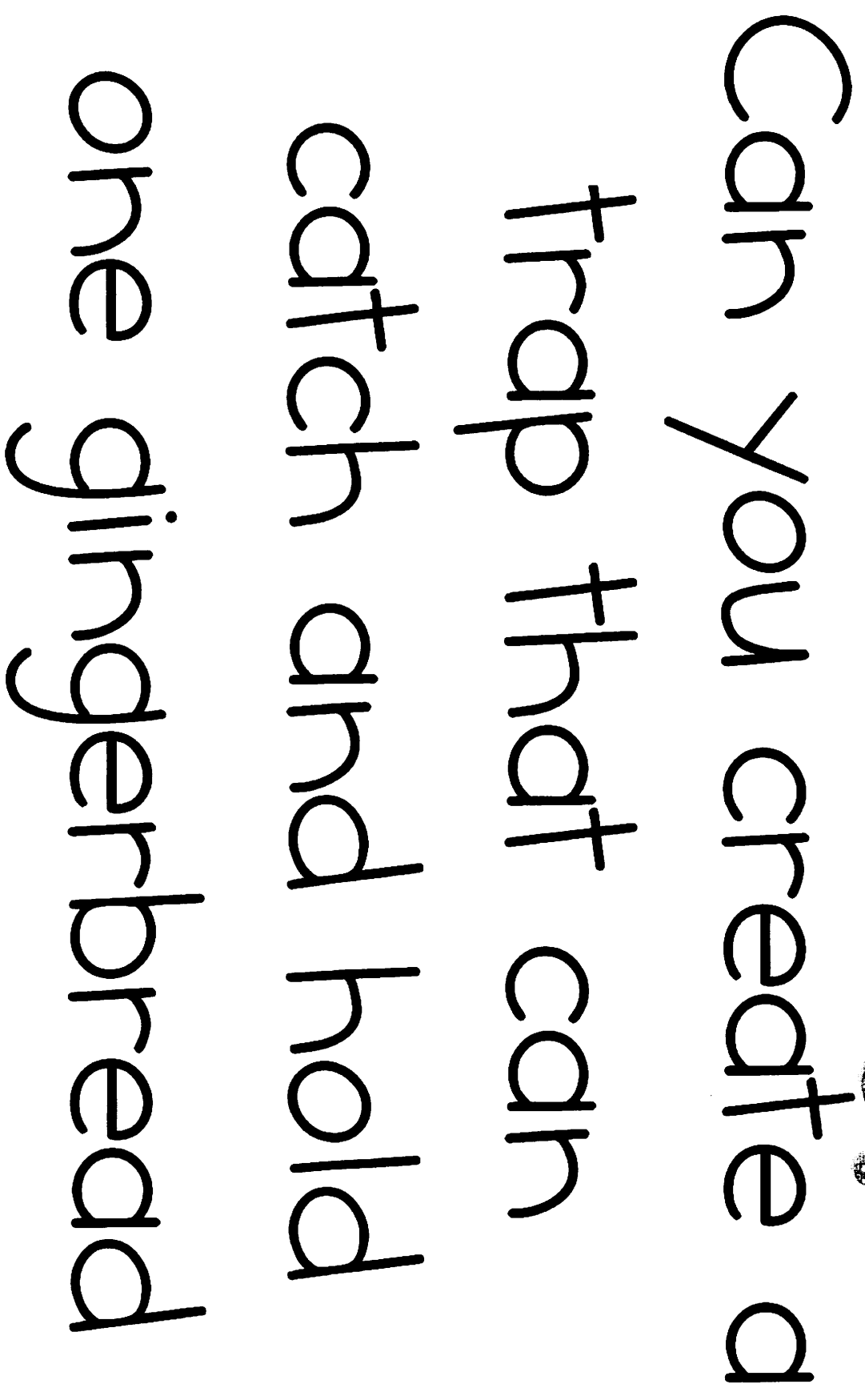


Set-Up:

- Give students the materials needed. Students can also bring in a variety of materials for this challenge.
- Students will need to select one gingerbread to color and cut out. It must fit inside their trap design.
- Provide a flat surface for the construction.

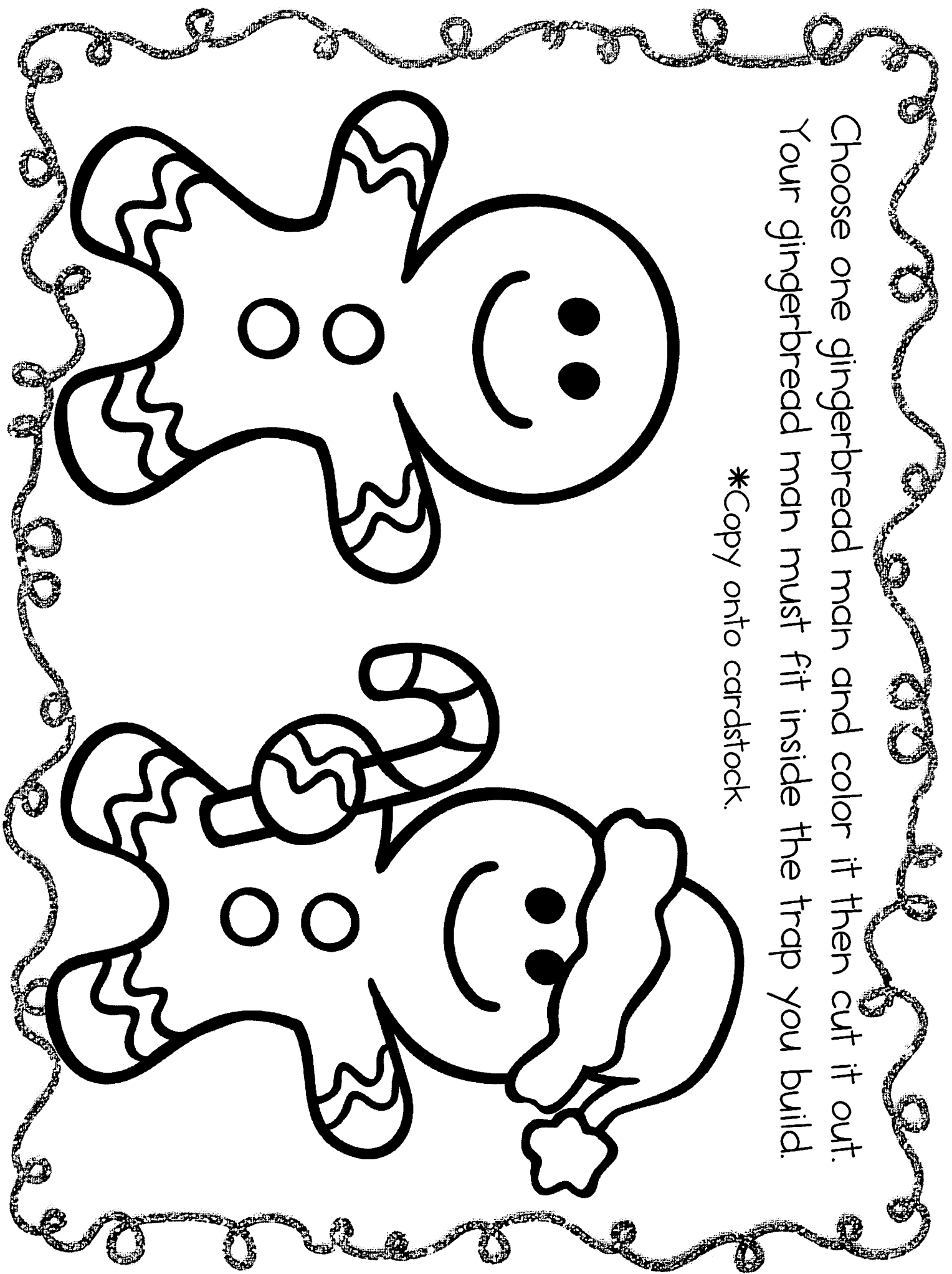
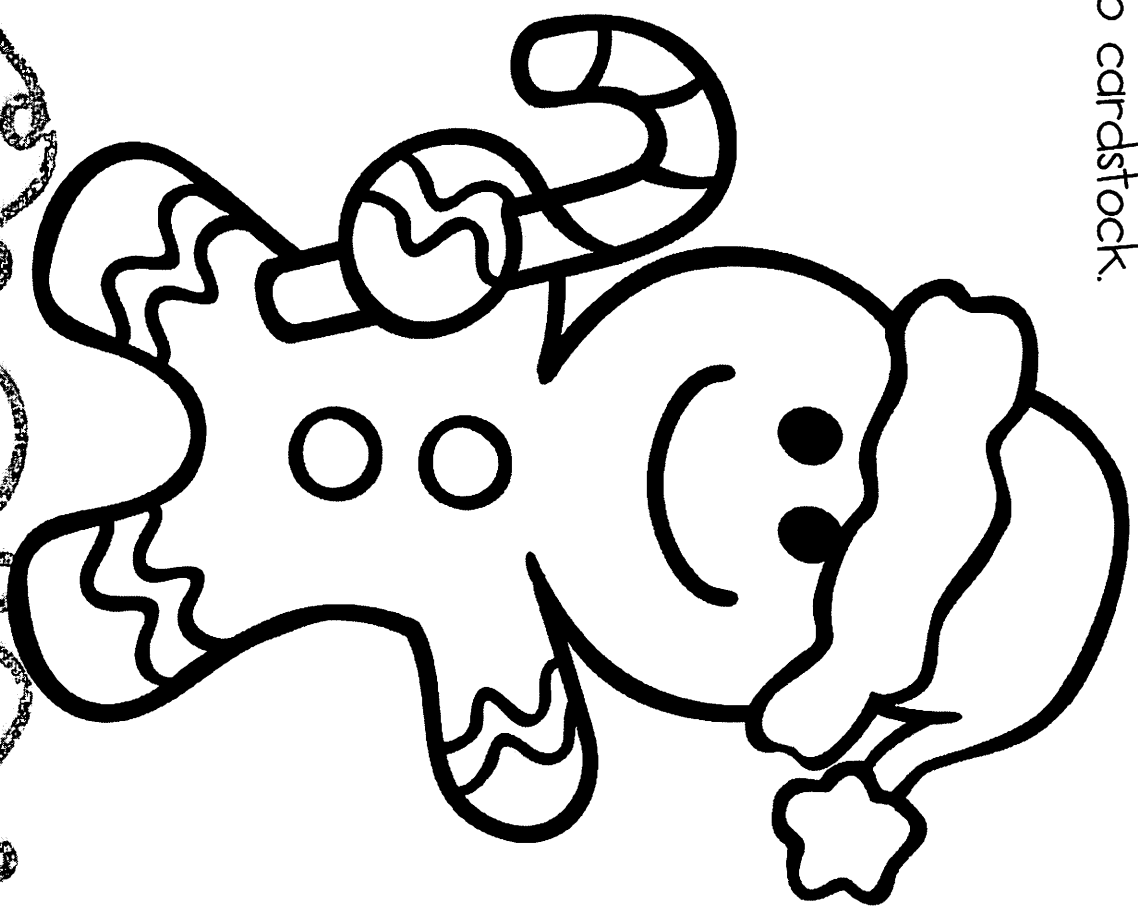
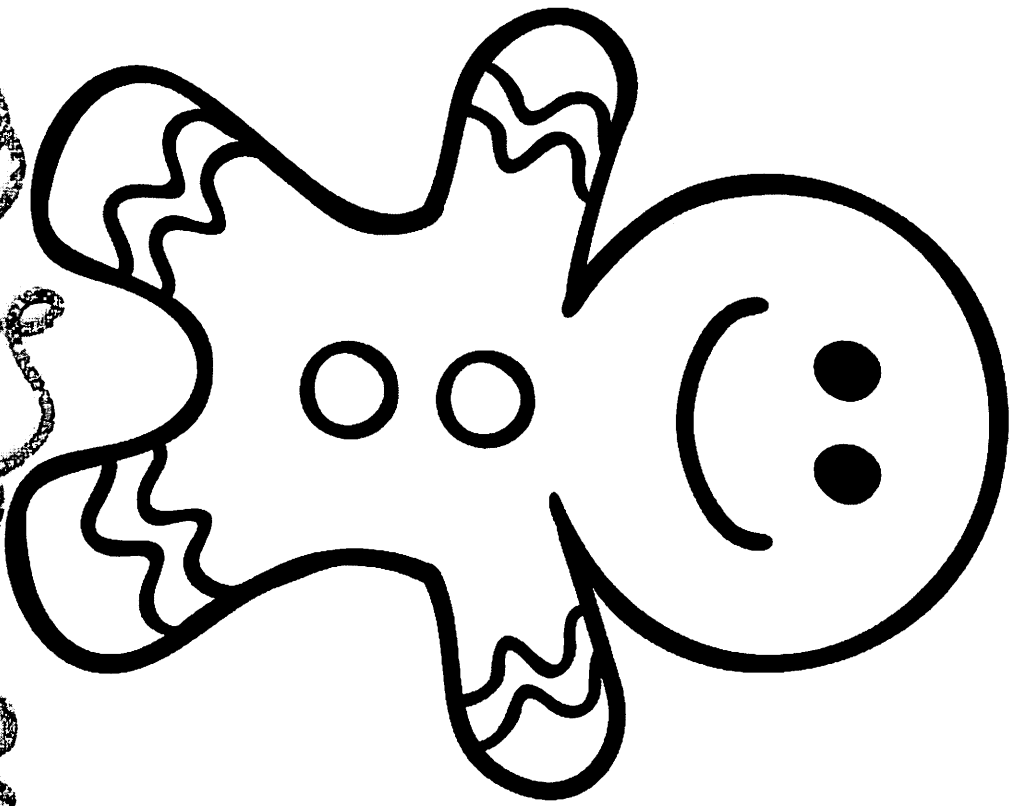
Goal:

Students will construct a trap for a gingerbread man cookie and demonstrate how it works.



Can you create a
trap that can
catch and hold
one gingerbread
man cookie?

Choose one gingerbread man and color it then cut it out.
Your gingerbread man must fit inside the trap you build.
*Copy onto cardstock.



Challenge Rules

- You must use only the supplies provided.
- The trap must be constructed on a flat surface.
- Your goal is to build a trap for catching a gingerbread man. It must also hold a gingerbread man!
- You must demonstrate how your trap will work once it is completed!
- There are many different ways to complete this challenge. Be creative!

Student Lab Sheet: Gingerbread Trap Challenge

Name _____

Were you successful in this challenge? Why or why not?

What was the most difficult part of this challenge? Why?

What was the best idea you came up with during this challenge?

My Questions:

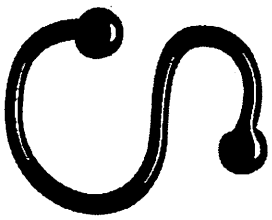
Did your gingerbread man trap work? Why or why not? Did the gingerbread man fit inside your trap?

What did you learn about construction and engineering during this challenge?

Sketch your solution on the back of the sheet.

Student Lab Sheet: Gingerbreadd Trap Challenge

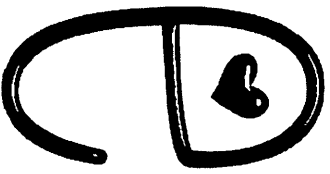
Name _____



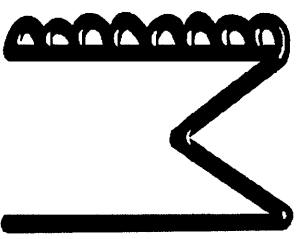
What is the science behind this challenge?



Research this topic using books and/or the Internet and record any information you find.



What was your design solution for this challenge?



What data can you record from this challenge?